

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(Not for submission under 37 CFR 1.99)

Application Number		10538692
Filing Date		2005-06-10
First Named Inventor	Arun Ramaswamy	
Art Unit	1644	2624
Examiner Name	Not Yet Assigned	Amir Alavi
Attorney Docket Number	20004/82-US	

## U.S. PATENTS

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Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	4468807		1984-08-28	Moulton	
	2	4611347		1986-09-09	Netravali et al.	
	3	4843631		1989-06-27	Steinichler et al.	
	4	4858000		1989-08-15	Lu	
	5	4993049		1991-02-12	Cupps	
	6	5063603		1991-11-05	Burt	
	7	5067160		1991-11-19	Omata et al.	
	8	5099324		1992-03-24	Abe	

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9	5121201		1992-06-09	Seki	
10	5164992		1992-11-17	Turk et al.	
11	5229764		1993-07-20	Matchett et al.	
12	5412738		1995-05-02	Brunelli et al.	
13	5629752		1997-05-13	Kinjo	
14	5675663		1997-10-07	Koerner et al.	
15	5715325		1998-02-03	Bang et al.	
16	5719951		1998-02-17	Shackleton et al.	
17	5771307		1998-06-23	Lu et al.	
18	5781650		1998-07-14	Lobo et al.	
19	5801763		1998-09-01	Suzuki	

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20	5805745	1998-09-08	Graf	
21	5835616	2006-11-10	Lobo et al.	
22	5850470	1998-12-15	Kung et al.	
23	5859921	1999-01-12	Suzuki	
24	5864630	1999-01-26	Cosatto et al.	
25	5878156	1999-03-02	Okumura	
26	5892837	1999-04-06	Luo et al.	
27	5901244	1999-05-04	Souma et al.	
28	5920641	1999-07-06	Ueberreiter et al.	
29	5963670	1999-10-05	Lipson et al.	
30	5978507	1999-11-02	Shackleton et al.	

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31	5987154	1999-11-16	Gibbon et al.	
32	6055323	2000-04-25	Okumura	
33	6332033	2001-12-18	Qian	
34	6332038	2001-12-18	Funayama et al.	
35	6363159	2002-03-26	Rhoads	
36	6940545	2005-09-06	Ray et al.	
37	6944319	2005-09-13	Huang et al.	
38	3805238	1974-04-16	Rothjell	
39	4644509	1987-02-17	Kiewit et al.	
40	5384716	1995-01-24	Araki et al.	
41	4849737	1989-07-18	Kirihata et al.	

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42	5793409		1998-08-11	Tetsumura	
43	4769697		1988-09-06	Gilley et al.	
44	5031228		1991-07-09	Lu	
45	5550928		1996-08-27	Lu et al.	
46	5097328		1992-03-17	Boyette	

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	1	20030033600		2003-02-13	Cliff et al.	
	2	20050198661		2005-09-08	Collins et al.	
	3	20060062429		2006-03-23	Ramaswamy et al.	

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	1	WO 99/27688	WO		1999-06-03	Lu et al.		<input type="checkbox"/>

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Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>5</sup>
	1	Duda and Hart, "Bayes Decision Theory", Pattern Classification & Scene Analysis, pp. 10-43, Wiley Publishers, 1973.	<input type="checkbox"/>
	2	International Preliminary Examination Report corresponding to International Application No. PCT/US2002/039625, April 27, 2004, 4 pages.	<input type="checkbox"/>
	3	Qing et al. "Histogram Based Fuzzy C - Mean Algorithm For Image Segmentation," Pattern Recognition, 1992. Vol. III. Conference C: Image, Speech and Signal Analysis, Proceedings., 11th IAPR International Conference, August 30 - September 2, 1992.	<input type="checkbox"/>
	4	Wolfram, Stephen, "Mathematica A System for Doing Mathematics by Computer", 2d Ed., Addison-Wesley Publishing Company, Inc., 1991, pp. 665-666.	<input type="checkbox"/>
	5	"Convex Hull", <a href="http://www.cse.unsw.edu.au/~lambert/java/3d/ConvexHull.html">http://www.cse.unsw.edu.au/~lambert/java/3d/ConvexHull.html</a> , downloaded November 6, 2002.	<input type="checkbox"/>
	6	"What is convex hull? What is the convex hull problem?," <a href="http://www.ifor.math.ethz.ch/~fukuda/polyfaq/node13.html">http://www.ifor.math.ethz.ch/~fukuda/polyfaq/node13.html</a> , downloaded November 6, 2002.	<input type="checkbox"/>
	7	"1.6.2 Convex Hull," <a href="http://www.cs.sunysb.edu/~algorithm/files/convex-hull.shtml">http://www.cs.sunysb.edu/~algorithm/files/convex-hull.shtml</a> , downloaded November 6, 2002.	<input type="checkbox"/>

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8	International Search Report corresponding to International Application No. PCT/US2002/039625, June 20, 2003, 5 pages.	<input type="checkbox"/>
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Examiner Signature	/Amir Alavi/	Date Considered	07/14/2009
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- ☐ See attached certification statement.
- ☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
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**SIGNATURE**

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.16. Please see CFR 1.4(d) for the form of the signature.

Signature	/James A. Flight/	Date (YYYY-MM-DD)	2006-07-11
Name/Print	James A. Flight	Registration Number	37622

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**



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